LABDEX

Top Press Freeze Dryer LX1901TFD

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Description

Top Press Freeze Dryer LX1901TFD is a table top unit with a condensing capacity of 3 kg to 4 kg / 24 h and a temperature of -80°C. It provides feasibility of vial lyophilization. Build with three trays with a bulk capacity of 0.8 L allowing any shape or size of sample to be freeze dried. Precise vacuum control enables faster freeze drying and reproducible results. Designed with transparent drying chamber helps in visualization of drying process. Big opening condenser with external coiling tubes facilitates pre-freezing function. It has Color LCD touch screen displays running time, display sample temperature, condenser temperature, vacuum degree, and save data automatically.

Specifications

Condenser temperature	-80°C
Condenser capacity	3 to 4 kg / 24 h
Freeze drying area	0.08 Sq.m
Bulk capacity	0.8 L, 10 mm thickness
Vial capacity	Φ 12 mm: 492 pieces Φ 16 mm: 279 pieces Φ 22 mm: 147 pieces
Drying chamber size	Φ 260 x 490 mm
Cooling	Air cooling
Ambient temperature	≤25°C
Defrosting	Off cycle defrosting
Trays	3 layers
Tray dimension	Φ 180 mm

Tray spacing	70 mm
Vacuum pump flow rate	7.2m3 / h; 2L/S
Vacuum	< 10 Pa
Power	1400 W
Voltage	220V/50 Hz; 110V/60Hz; 120V/ 60Hz
Dimensions	850 x 680 x (400 + 490) mm
Weight	140 kgs

Features

- Condenser temperature -80°C
- Color LCD touch screen display, display of sample temperature, vacuum curve degree, cold trap temperature curve
- Acrylic drying Chamber is safe and easy to view sample status
- High pumping speed vacuum pump
- Pre-freezing function
- Anti-corrosive stainless steel air inlet valve
- USB port to output freeze drying data

Applications

- It is use for preserving a wide variety of heat-sensitive materials such as proteins, microbes, pharmaceuticals, tissues & plasma.

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